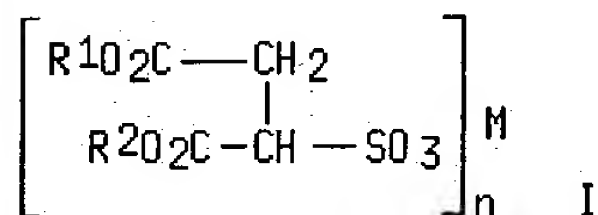


L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 1995:459668 CAPLUS  
 DN 122:218309  
 ED Entered STN: 01 Apr 1995  
 TI Additive for lead-free gasoline  
 IN Buchsbaum, Alexander; Koliander, Werner  
 PA OEMV AG, Austria  
 SO Eur. Pat. Appl., 7 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 IC ICM C10L001-14  
 ICS C10L001-24  
 CC 51-7 (Fossil Fuels, Derivatives, and Related Products)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>EP 639632</u>	A1	19950222	<u>EP 1994-890107</u>	19940621 <--
	<u>EP 639632</u>	B1	19980422		
	R: AT, BE, CH, DE, DK, FR, GB, GR, IE, IT, LI, MC, NL, SE				
	<u>AT 165389</u>	E	19980515	<u>AT 1994-890107</u>	19940621
	<u>SK 280988</u>	B6	20001009	<u>SK 1994-970</u>	19940815
	<u>HU 69325</u>	A2	19950928	<u>HU 1994-2368</u>	19940816
	<u>HU 214907</u>	B	19980728		
	<u>CZ 285397</u>	B6	19990811	<u>CZ 1994-1985</u>	19940817
PRAI	<u>AT 1993-1636</u>	A	19930817		
OS	MARPAT 122:218309				
GI					



AB The antiwear additive for lead-free gasoline contains (1) a neutral alkali metal and/or alk. earth metal salt of mono- or diester of sulfosuccinic acid (I) (R1, R2 = H, C4-20 aliph. hydrocarbon (?1 of R1 and R2 is H); M = alkali metal ion, alk. earth metal ion; n = valency of M), (2) ?1 detergent (mol. wt. 2000-3000), and (3) carrier oil and/or diluent. Preferably, sulfosuccinate K salt/detergent wt. ratio is 1:(8-15). The amt. of K is 0.5-100 mg/kg fuel. The additive decreases wear of valve seats. Typically, the additive consists of K dioctyl sulfosuccinate 6.3, polybutene amine detergent 70.4, and kerosine 23.3 wt.%. The amt. of the additive is 1.1 mL/L gasoline.

ST gasoline antiwear additive; sulfosuccinate detergent mixt gasoline additive

IT Gasoline additives  
(antiwear, sulfosuccinate-detergent mixt. as)

IT Polyethers, uses  
RL: MOA (Modifier or additive use); USES (Uses)  
(polyamine-, in antiwear additive for gasoline)

IT Polyamines  
RL: MOA (Modifier or additive use); USES (Uses)  
(polyether-, in antiwear additive for gasoline)

IT 7491-09-0, Potassium dioctyl sulfosuccinate 9003-29-6D, Polybutene, amine deriv.  
RL: MOA (Modifier or additive use); USES (Uses)  
(in antiwear additive for gasoline)

h eb c g cg b cg

eb